

• In order to determine if a given point is a solution to a system of Equations:

- The point in question must satisfy Both equations. (or all)

Ex:

$(2, -5) \rightarrow 7x + 4y = -6$

$7(2) + 4(-5) = -6$

$\checkmark -6 = -6$

$6x + 5y = -11$

$6(2) + 5(-5) = -11$

$\times -13 \neq -11$

DID NOT

Graphing systems:

• A system of equations: is two or more Equation / graphed on the same coordinate plane

Techniques: what form is the equation in?

- slope intercept: $y = mx + b$

- standard: $Ax + By = C$

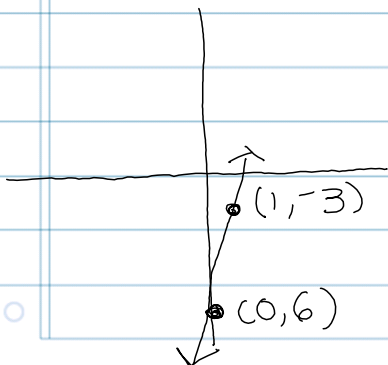
Slope Intercept

- ① create a table of values use 'b' as first
- ② Rise over Run! common method

Substitute a value for "x" to get next point.

Ex. $y = 3x - 6$
use $x = 1$

x	y
1	-3



Standard Form

① use a T chart to find the 'x' and 'y' intercepts.

$3x - 2y = 12$

x	y
0	-6
4	0

$b = (0, -6)$ ← y-intercept
 $a = (4, 0)$ ← x-intercept

